



Wireless

SMCWUSBT-G2

EZ Connect™g 802.11g 108Mbps Wireless USB 2.0 Adapter



OVERVIEW

EZ Connect 2.4GHz 802.11g 108Mbps Wireless USB 2.0 Adapter (SMCWUSBT-G2) is another cutting edge introduction in 2.4GHz wireless communication for your laptop or desktop. Designed for both business and home users, this new adapter provides the speed, coverage, and security expected by today's wireless users. Based on the IEEE 802.11g standard, the new EZ Connect g Wireless USB 2.0 Adapter is 15 times faster than the widely used 802.11b wireless networking devices and is 100% compatible with existing 802.11b wireless networks. The SMCWUSBT-G2 is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications. Wireless clients can now easily obtain instant, seamless high-speed network connection. The SMCWUSBT-G2 802.11g Wireless USB Adapter complies with USB 2.0 and is backward compatible with USB 1.1. With a USB performance of 480 Mbps (40 times the speed of USB 1.1), this new product can take full advantage of the 802.11g bandwidth. Its compact, sleek design makes it convenient and easy to carry. Using the new SMCWUSBT-G2, you can simplify PC connections in the home, office or on the road.

The EZ Connect 2.4GHz 802.11g 108Mbps Wireless USB 2.0 Adapter includes an EZ Installation Wizard that enables quick and easy setup. Simply put the EZ Installation Wizard CD into your CD drive, click on Install Driver/Utility Link, the wizard will perform the installation automatically. Then plug in your SMCWUSBT-G2 into the USB slot of your laptop, and you are now ready to enjoy the freedom of wireless networking.

To ensure secure transmissions across your wireless network, this USB adapter supports 64/128-bit Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), and the new WPA2. WPA and WPA2 are interoperable security improvements that greatly increase the level of data encryption and authentication for existing and future wireless LAN systems. In addition, the EZ Connect™ g 802.11g Wireless USB 2.0 Adapter offers an auto-fallback feature that provides scalable connectivity under noisy environments and enables a larger wireless operating range.

This wireless USB adapter combines the ease-of-use and convenience of USB-enabled PCs with the benefits of high speed 108Mbps wireless operation in a full-featured solution for the networked environment. It connects instantly with an existing Ethernet installation to support mobile users, temporary work sites, sharing of peripherals, and wireless multimedia. Wireless solutions provide the ultimate in mobility, simple and flexible installation options, a reduced cost of ownership (no cabling costs or maintenance), and excellent scalability in supporting additional PCs on the LAN.

FEATURES	BENEFITS
EZ Installation Wizard; Plug-and-Play™	Simple and easy installation on Windows 98SE/ME/2000/XP. Plug-and-play, no configuration needed
Wireless connectivity via high speed USB 2.0 port	USB 2.0 interface with 480 Mbps high data rate performance - up to 40 times faster than USB v1.0 and 1.1
Compact and sleek design	Compact, easy-to-carry form factor
IEEE 802.11b and 802.11g compliant, up to 108 Mbps wireless LAN	Provides high speed wireless communication at up to 108 Mbps; 802.11g compliance allows seamless interoperability among multiple vendors
Robust security features include 64-bit/128-bit WEP encryption, WPA, and the new WPA2	Advanced security through 64-bit/128-bit WEP encryption, Wi-Fi Protected Access (WPA), and the new WPA2 to protect your information and to ensure secure data transmissions
Profile management and Site Survey	Ability to scan for all available Access Points on the wireless network and create multiple profiles, making it easy to use in the home, office or on the road



TECHNICAL SPECIFICATIONS

SMCWUSBT-G2

STANDARDS

- 802.11b
- 802.11g
- USB 1.0, 1.1, 2.0

DATA RATES

- 1 / 2 / 5.5 / 11 Mbps
- 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 / 108 Mbps

FREQUENCY BAND

- CSMA/CA

OPERATIONAL MODE

- 802.11g Radio : 2.4 GHz
- 802.11b Radio : 2.4 GHz
- USA - FCC: 2412~2462MHz (Channel 1~Channel 11)
- Canada - IC: 2412~2462MHz (Channel 1~Channel 11)
- Europe - ETSI: 2412~2472MHz (Channel 1~Channel 13)

MODULATION TYPE

- OFDM, CCK

OPERATIONAL CHANNELS

- IEEE 802.11b compliant:
 - 11 channels (US, Canada)
 - 13 channels (ETSI)
 - 14 channels (Japan)
- IEEE 802.11g compliant:
 - 11 channels (US, Canada)
 - 13 channels (Europe, Japan)

SECURITY

- 64/128-bit WEP
- WPA
- WPA2

ANTENNA

- Internal

TRANSMITTED POWER

Modulation Rate	Output Power 2.4-2.5GHz (dBm)
802.11b - 1Mbps	16
802.11b - 2Mbps	16
802.11b - 5.5Mbps	16
802.11b - 11Mbps	16

Modulation Rate	Output Power 2.4-2.5GHz (dBm)
802.11g - 6Mbps	14
802.11g - 9Mbps	14
802.11g - 12Mbps	14
802.11g - 18Mbps	14
802.11g - 24Mbps	13
802.11g - 36Mbps	13
802.11g - 48Mbps	12
802.11g - 54Mbps	12

RATES/SENSITIVITY/ALLOWABLE PATH LOSS

Modulation Rate	Receiver Sensitivity (dBm) 2.412 ~ 2.484 GHz
802.11b - 1Mbps	-92
802.11b - 2Mbps	-89
802.11b - 5.5Mbps	-85
802.11b - 11Mbps	-82

Modulation	Rate	Receiver Sensitivity (dBm)
802.11g -	6Mbps	-82
802.11g -	9Mbps	-81
802.11g -	12Mbps	-79
802.11g -	18Mbps	-77
802.11g-	24Mbps	-74
802.11g -	36Mbps	-70
802.11g-	48Mbps	-66
802.11g -	54Mbps	-65

REGULATORY COMPLIANCE

- FCC
- ETSI/CE
- C-Tick

CURRENT CONSUMPTION

- TX: 485mA Max
- RX: 330mA Max

HOST INTERFACE

- USB 2.0

TEMPERATURE

- Operating: 0 ~ 45°C / 32° ~ 113°F ambient
- Storage: -20 ~ 70°C / -4° ~ 158°F ambient

HUMIDITY

- 5 ~ 90% non-condensing

DIMENSION

- 3.25 x 1.125 in / 82.5 x 28.5mm

WEIGHT

- 0.06 lbs / 27g

Contact

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